

15. Feb. 2007 12:27

PEARL COHEN ZEDEK LATZER
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No. 3205 P. 2

Attorney Docket No.: P-6118-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: SHIMADA, Ryo et al.
Serial No: 10/688,950 Examiner: NGUYEN, Dao H.
Filed: October 21, 2003 Group Art Unit: 2818
Title: METHOD AND APPARATUS FOR THERMO-ELECTRIC COOLING

PETITION TO ADD INVENTORS UNDER 37 CFR 1.48(a)

PURSUANT TO 35 U.S.C. 116

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

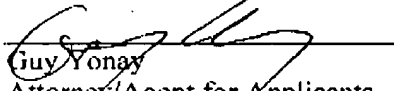
Sir:

The above identified patent application, as filed, included one inventor. By error, without deceptive intent, the name of one inventor, Shinichi SAKAMOTO, was omitted. Statements setting forth these facts are attached herewith, along with Declarations of the inventors and the consent of the assignee, INTEL CORPORATION. The consent of the assignee is not required insofar as no assignment has yet been executed.

Consequently, please add Shinichi SAKAMOTO as inventor to the above-identified patent application. A declaration from co-inventor Ryo SHIMADA is being filed herewith.

This is a petition to add inventors to a pending patent application pursuant to 37 CFR 1.48(a), for which a fee of \$130.00 is due. Please charge Deposit Account No. 50-3355 for this fee, as well as any additional fees due. A duplicate of this Petition is included for this purpose.

Respectfully submitted,


Guy Yonay
Attorney/Agent for Applicants
Registration No. 52,388

Dated: February 14, 2007

Pearl Cohen Zedek Latzer, LLP
1500 Broadway, 12th Floor
New York, New York 10036
Tel: (646) 878-0800
Fax: (646) 878-0801

02/16/2007 SSESHE1 00000056 503355 10688950
01 FC:1464 130.00 DA

COVER PAGE LISTING DOCUMENTS BEING TRANSMITTED VIA FACSIMILE

13 Pages Via Facsimile: 571-273-8300
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Certificate of Transmission

I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark Office (fax no. 571-273-8300) on February 15, 2007.

Varda Lailah
 Varda Lailah

Regarding the following Application:

Applicant(S): SHIMADA, Ryo et al. Examiner: NGUYEN, DAO H

Serial No./ 10/688,950 Group Art Unit: 2818
 Patent No.:

Filed/Issued Date: October 21, 2003 Attorney Docket No.: P-6118-US

Title: METHOD AND APPARATUS FOR THERMO-ELECTRIC COOLING

Please find:

- | | |
|---|--|
| 1. <input type="checkbox"/> Provisional Cover Sheet | 9. <input type="checkbox"/> Response to Notice to File Missing Parts |
| 2. <input type="checkbox"/> Utility Patent Application Transmittal | 10. <input type="checkbox"/> Response to Notice of Incomplete Reply |
| 3. <input type="checkbox"/> RCE Transmittal Sheet | 11. <input type="checkbox"/> Request for Correction of Filing Receipt |
| 4. <input type="checkbox"/> Fee Transmittal Sheet | 12. <input type="checkbox"/> Information Disclosure Statement including:
- Form PTO/SB/08 and references _____ |
| 5. <input type="checkbox"/> Patent Application Under 35 USC 111(a) | 13. <input type="checkbox"/> Preliminary Amendment |
| <input type="checkbox"/> Provisional Patent Application Under 35 USC 111(b) | 14. <input type="checkbox"/> Response to Office Action dated _____ |
| <input type="checkbox"/> Transmittal Sheet for Entering National Phase
Containing:
____ Pages of Specification
____ Pages of Claims
____ Page of Abstract
____ Pages of Formal Drawings
____ Pages of _____ | 15. <input type="checkbox"/> Petition for a One Month(s) Extension of Time |
| 6. <input checked="" type="checkbox"/> Signed Declaration & Power of Attorney | 16. <input type="checkbox"/> Notice of Appeal <input type="checkbox"/> Appeal Brief _____ |
| 7. <input type="checkbox"/> Request for Correction of Recordation of Assign. and:
- Recordation Cover Sheet
- Copy of Notice of Recordation of Assign. | 17. <input type="checkbox"/> Issue Fee Transmittal <input type="checkbox"/> Publication Fee |
| 8. <input type="checkbox"/> Recordation of Assign. Cover Sheet & Signed Assign. | 18. <input type="checkbox"/> Submission of Formal Drawings: Two sets of
____ Sheets containing Figs. _____ |
| | 19. <input type="checkbox"/> Copy of Priority Doc. |
| | 20. <input type="checkbox"/> Claim for Convention Priority |
| | 21. <input type="checkbox"/> Revocation and Power of Attorney, including:
- Statement Under 37 CFR 3.73(b)
- Copy of Assignment |
| | 22. <input checked="" type="checkbox"/> Other: <u>Petition to Add Inventors under 37 C.F.R. 1.48; Statement of Facts of Shinichi Sakamoto in Support of Petition under 37 C.F.R. 1.48; Statement under 37 CFR 3.73(b), Assignee Consent Form</u> |

Attorney Docket No.: P-6118-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): SHIMADA, Ryo et al.

Serial No: 10/688,950 Examiner: NGUYEN, DAO H

Filed: October 21, 2003 Group Art Unit: 2818

Title: METHOD AND APPARATUS FOR THERMO-ELECTRIC COOLING

STATEMENT OF FACTS OF ADDED INVENTOR

I, Shinichi Sakamoto, am not listed as a co-inventor of US Patent Application No. 10/688,950, filed October 21, 2003, and titled, "METHOD AND APPARATUS FOR THERMO-ELECTRIC COOLING." The inventor of record is Ryo Shimada. My name was inadvertently omitted from the list of inventors, without deceptive intent on the part of the undersigned.

I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statement may jeopardize the validity of the application of any patent issued thereon.


SAKAMOTO, Shinichi

19/01/2007
Date: (day/month/year)

FEB 15 2007

Attorney Docket No.: P-6118-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): SHIMADA, Ryo et al.
Serial No: 10/688,950 Examiner: NGUYEN, DAO H
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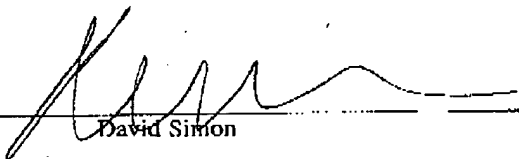
ASSIGNEE CONSENT

I, David Simon, am the Chief Patent Counsel of INTEL CORPORATION, which is the assignee of U.S. Patent Application Serial Number 10/688,950, filed October 21, 2003 for METHOD AND APPARATUS FOR THERMO-ELECTRIC COOLING.

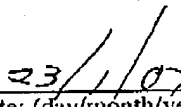
In that capacity, I hereby give my consent to the addition of Shinichi Sakamoto as inventor to this application.

Attached please find a Statement under 37 CFR 3.73(b).

I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statement may jeopardize the validity of the application of any patent issued thereon.



David Simon



Date: (day/month/year)

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PTO/SR/96 (6-98)

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: **SHIMADA, Ryo et al.**

Application No./Patent No.: **10/688,950**

Filed/Issue Date: **October 21, 2003**

Entitled: **METHOD AND APPARATUS FOR THERMO-ELECTRIC COOLING**

INTEL CORPORATION

, a **corporation**

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

States that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel **014625**, Frame **0279**, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From:

To:

The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From:

To:

The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From:

To:

The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

(NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8)

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

1/23/07
Date

[Signature]
Signature

DAVID SIMON
Typed or printed name

Chief Patent Counsel
Title

Printed Name Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR UNCOMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Attorney Docket No.: P-6118-US

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below under my name.

I believe that I am the original and first sole inventor or an original and first joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD AND APPARATUS FOR THERMO-ELECTRIC COOLING

the Specification of which

☐ is attached hereto
☒ was filed on **October 21, 2003**
as United States Application Number or PCT International Application No.
10/688,950
and was amended on May 24, 2006 (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified Specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information known to me which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim priority under Title 35, United States Code, §119 of any provisional application filed in the United States in accordance with 35 U.S.C. §119(e), or any application for patent that has been converted to a Provisional Application within one (1) year of its filing date, or any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

PRIOR FILED APPLICATION(S)

<u>APPLICATION</u> <u>NUMBER</u>	<u>COUNTRY</u>	<u>(DAY/MONTH/YEAR FILED)</u>	<u>PRIORITY</u> <u>CLAIMED</u>
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I hereby claim the benefit under Title 35, United States Code, §120 of any United States application listed below, and, insofar as the subject matter of each of the claims of this application is not disclosed in any prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56, which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Attorney Docket No.: P-6118-US

APPLICATION NO.	FILING DATE (DAY/MONTH/YEAR)	STATUS - PATENTED, PENDING, ABANDONED
--------------------	---------------------------------	--

I hereby appoint as my attorney(s) and agent(s) Mark S. Cohen (Attorney, Registration No. 42,425) or Guy Yonay (Attorney, Registration No. 52,388) or Caleb Pollack (Attorney, Registration No. 37,912) or Guy Levi (Attorney, Registration No. 55,376) or Rachel Teitelbaum (Agent, Registration No. 56,708) or David A. Loewenstein (Attorney, Registration No. 35,591) or Robert D. Schaffer (Attorney, Registration No. 33,775) or Michael A. Yamin (Agent, Registration No. 44,414) or Marc Tritel (Agent, Registration No. 59,336) or Lee A. Goldberg (Attorney, Registration No. 38,894) or Cheryl J. Schindler (Agent, Registration No. 59,848), said attorney(s) and/or agent(s); and said attorney(s) and/or agent(s) listed in Appendix A; with full power of substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. These attorneys and agents are associated with Customer Number 49444.

Please address all correspondence regarding this application to:

PEARL COHEN ZEDEK LATZER, LLP
1500 BROADWAY, 12TH FLOOR
NEW YORK, NEW YORK 10036

Customer Number 49444

Direct all telephone calls to (646) 878-0800 and all facsimiles to (646) 878-0801.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF INVENTOR: SHIMADA, Ryo

FULL RESIDENCE ADDRESS: 401-169 Jiyungaoka Tsukuba City, Ibaraki Prefecture,
Japan

COUNTRY OF CITIZENSHIP: Japan

FULL POST OFFICE ADDRESS: same

SIGNATURE OF INVENTOR _____

DATE _____
(day / month / year)

Attorney Docket No.: P-6118-US

FULL NAME OF INVENTOR: SAKAMOTO, Shinichi

FULL RESIDENCE ADDRESS: 2-13-29 UMEZONO TSUKUBA-CITY, IBARAKI-PREFECTURE; TSUKUBA-SHI, IBARAKI 305-0045, Japan

COUNTRY OF CITIZENSHIP: Japan

FULL POST OFFICE ADDRESS: same

SIGNATURE OF INVENTOR DATE 19/01/2007
(day / month / year)

Attorney Docket No.: P-6118-US

Appendix A

These attorneys and agents are associated with Customer Number 49444.

1. PAL Attorney PTO Registration #'s

Robert D. Anderson, Reg. No. 33,826; Shireen I. Bacon, Reg. No. 40,494; Michael R. Barre, Reg. No. 44,023; George Chen, Reg. No. 50,807; Ted A. Crawford, Reg. No. 50,610; Robert Diehl, Reg. No. 40,992; Jeffrey S. Draeger, Reg. No. 41,000; Rahul D. Engineer, Reg. No. 47,548; Cynthia Thomas Faatz, Reg. No. 39,973; Matthew C. Fagan, Reg. No. 37,542; James S. Finn, Reg. No. 38,450; Caroline M. Fleming, Reg. No. 45,566; Sanjay S. Gadkari, Reg. No. 55,796; Sharmini N. Green, Reg. No. 41,410; Robert Greenberg, Reg. No. 44,133; Bradley Greenwald, Reg. No. 34,341; David Guglielmi, Reg. No. 55,229; Julia A. Hodge, Reg. No. 46,775; Libby H. Hope, Reg. No. 46,774; Laleh Jalali, Reg. No. 40,031; Thomas R. Lane, Reg. No. 42,781; David McAbee, Reg. No. 58,104; Molly A. McCall, Reg. No. 46,126; Erik M. Metzger, Reg. No. 53,320; Larry Mennermeier, Reg. No. 51,003; Kenneth A. Nelson, Reg. No. 48,677; Michael J. Nesheiwat, Reg. No. 47,819; Erik R. Nordstrom, Reg. No. 39,792; Kathy J. Ortiz, Reg. No. 54,351; Lanny Parker, Reg. No. 44,281; Alan Pedersen-Giles, Reg. No. 39,996; Philip A. Pedigo, Reg. No. 52,107; Michael D. Plimier, Reg. No. 43,004; Michael Proksch, Reg. No. 43,021; Kevin A. Reif, Reg. No. 36,381; Crystal D. Sayles, Reg. No. 44,318; Justin Scout, Reg. No. 54,431; Ami P. Shah, Reg. No. 42,143; David Simon, Reg. No. 32,756; Steven P. Skabrat, Reg. No. 36,279; Paul E. Steiner, Reg. No. 41,326; Joni D. Stutman-Horn, Reg. No. 42,173; W. Russell Swindell, Reg. No. 50,906; David N. Tran, Reg. No. 50,804; John F. Travis, Reg. No. 43,203; Kerry Tweet, Reg. No. 45,959; Jerray Wei, Reg. No. 43,247; Cyndi Wheeler, Reg. No. 58,156; Stuart A. Whittington, Reg. No. 45,215; Robert Winkle, Reg. No. 37,474; Rita M. Wisor, Reg. No. 41,382; Sharon Wong, Reg. No. 37,760; Steven D. Yates, Reg. No. 42,242; and Guojun Zhou, Reg. No. 56,478; my patent attorneys, and my patent agents, of INTEL CORPORATION, with offices located at 2200 Mission College Blvd., Santa Clara, CA 95052, telephone (408)765-8080; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

January 2007

FEB 15 2007

Attorney Docket No.: P-6118-US

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below under my name.

I believe that I am the original and first sole inventor or an original and first joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD AND APPARATUS FOR THERMO-ELECTRIC COOLING

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☐ is attached hereto
☒ was filed on **October 21, 2003**
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I hereby claim priority under Title 35, United States Code, §119 of any provisional application filed in the United States in accordance with 35 U.S.C. §119(e), or any application for patent that has been converted to a Provisional Application within one (1) year of its filing date, or any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

PRIOR FILED APPLICATION(S)

<u>APPLICATION NUMBER</u>	<u>COUNTRY</u>	<u>(DAY/MONTH/YEAR FILED)</u>	<u>PRIORITY CLAIMED</u>
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I hereby claim the benefit under Title 35, United States Code, §120 of any United States application listed below, and, insofar as the subject matter of each of the claims of this application is not disclosed in any prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56, which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

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APPLICATION NO.	FILING DATE (DAY/MONTH/YEAR)	STATUS -- PATENTED, PENDING, ABANDONED
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I hereby appoint as my attorney(s) and agent(s) Mark S. Cohen (Attorney, Registration No. 42,425) or Guy Yonay (Attorney, Registration No. 52,388) or Caleb Pollack (Attorney, Registration No. 37,912) or Guy Levi (Attorney, Registration No. 55,376) or Rachel Teitelbaum (Agent, Registration No. 56,708) or David A. Loewenstein (Attorney, Registration No. 35,591) or Robert D. Schaffer (Attorney, Registration No. 33,775) or Michael A. Yamin (Agent, Registration No. 44,414) or Marc Tritel (Agent, Registration No. 59,336) or Lee A. Goldberg (Attorney, Registration No. 38,894) or Cheryl J. Schindler (Agent, Registration No. 59,848), said attorney(s) and/or agent(s); and said attorney(s) and/or agent(s) listed in Appendix A; with full power of substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. These attorneys and agents are associated with **Customer Number 49444**.

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FULL NAME OF INVENTOR: **SHIMADA, Ryo**

FULL RESIDENCE ADDRESS: **401-169 Jiyuugaoka Tsukuba City, Ibaraki Prefecture,
Japan**

COUNTRY OF CITIZENSHIP: **Japan**

FULL POST OFFICE ADDRESS: **same**

SIGNATURE OF INVENTOR

Ryo Shimada

DATE 22/01/2007
(day / month / year)

Attorney Docket No.: P-6118-US

FULL NAME OF INVENTOR: **SAKAMOTO, Shinichi**

FULL RESIDENCE ADDRESS: **2-15-3 UMEZONO TSUKUBA-CITY, IBARAKI-PREFECTURE; TSUKUBA-SHI, IBARAKI 305-0045, Japan**

COUNTRY OF CITIZENSHIP: **Japan**

FULL POST OFFICE ADDRESS: **same**

SIGNATURE OF INVENTOR _____

DATE _____
(day / month / year)

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Attorney Docket No.: P-6118-US

FEB 15 2007**Appendix A**

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January 2007